

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:					
Vegetation Control Under Guardrails and DGA Areas					Page 1 of 10
Herbicide:	Glypro Plus or Razor	Roundup ProDry	Razor/Payload/Arsenal Tank Mix	Sahara	Razor/Oust XP Tank Mix
Rate Per Acre:	1.5 quarts	1.75 lbs	1 quart 10 ounces 12 ounces	12 pounds	1 quart 2 ounces
Cost Per Acre:	\$4.50	\$9.50	\$76.50	\$97.00	\$15.50
Time of Application:	March 1-October 1	March 1-October 1	March 1-October 1	March 1-June 1	March 1-June 1
Type of Treatment:	Foliar	Foliar	Foliar & Soil	Foliar & Soil	Foliar & Soil
Rate of Carrier:	25 gals. Water	25 gals. Water	50 gals. Water	50 gals. Water	50 gals. Water
Maximum Height of Vegetation:	No Limit.	No Limit.	No Limit.	No Limit.	No Limit.
Special Features:	Non-selective systemic activity. Wet all parts.	Non-selective systemic activity. Wet all parts.	Non-selective systemic activity.	Non-selective systemic activity.	Non-selective systemic activity.
Precautions:	Do not apply to desirable vegetation!	Do not apply to desirable vegetation!	Avoid over-application to frozen soil, paved surfaces, high water, or during heavy rainfall.	Avoid over-application to frozen soil, paved surfaces, high water, or during heavy rainfall.	Avoid over-application to frozen soil, paved surfaces, high water, or during heavy rainfall.

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment: Vegetation Control Under Guardrails Contd.			Seedhead Suppression Page 2 of 10		
Herbicide:	Payload/Oust XP Tank Mix	Endurance/Arsenal Tank Mix	Stronghold*	Stronghold*/Arsenal Tank Mix	Plateau
Rate Per Acre:	10 ounces 2 ounces	2 pounds 12 ounces	12 ounces	12 ounces 1.5 ounces	2 ounces
Cost Per Acre:	\$64.50	\$66.00	\$21.00	\$24.00	\$4.50
Time of Application:	March 1-June 1	March 1-June 1	April 15-May 15	April 15-May 15	April 15-May 15
Type of Treatment:	Foliar & Soil	Foliar & Soil	Foliar	Foliar	Foliar
Rate of Carrier:	50 gals. Water	50 gals. Water	50 gals	50 gals	50 gals
Maximum Height of Vegetation:	No Limit	No Limit	6-8 inches	6-8 inches	6-8 inches
Special Features:	Non-selective systemic activity.	Non-selective systemic activity.	Systemic PGR	Use this if Bromegrass, Orchardgrass, or Cheat are present.	Systemic PGR
Precautions:	Avoid over-application to frozen soil, paved surfaces, high water or during heavy rainfall.	Avoid over-application to frozen soil, paved surfaces, high water or during heavy rainfall.	Do not mow within 14 days after treatment.	Do not mow within 14 days after treatment.	May cause yellowing of fescue during drought conditions.

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:					
Vegetation Control Around Landscape Plants and Shrubs					Page 3 of 10
Herbicide:	Razor, Glypro Plus	Endurance	Gallery	Pendulum Aquacap	Snapshot 2.5 TG
Rate Per Acre:	1.5 quarts	2 pounds	0.5 ounces per 1000 square feet	3 ounces per 1000 sq.ft	2.5-3.5 pounds per 1000 square feet
Cost Per Acre:	\$4.50	\$44.48	\$3.31/1000 sq. ft.	\$1.00/1000 sq. ft.	N/A
Time of Application:	When vegetation is actively growing.	March 1-April 1	Before weeds emerge.	Before weeds emerge.	Before weeds emerge.
Type of Treatment:	Foliage and Stem directed.	Soil applied.	Soil applied.	Soil applied.	Soil applied granule.
Rate of Carrier:	25 gals. Water	50 gals. Water	2 gals. per 1000 square feet	50-100 gals. Water	2 gals. per 1000 square feet
Maximum Height of Vegetation:	No Limit.	Bare soil.	Bare soil.	Bare soil.	Bare soil.
Special Features:	Non-selective systemic	Selective Pre-Emergent	Pre-emergence	Pre-emergence	Pre-emergence
Precautions:	Avoid applying onto desirable vegetation.	Higher rates may damage plants.	Higher rates may damage plants.	Higher rates may damage plants.	Higher rates may damage plants.

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:	Post-Emergence Grass Control in Shrub Beds and Wildflowers		Wildflower Establishment & Maintenance Total Vegetation Control		Page 4 of 10 Grass Control
Herbicide:	Poast	Fusilade II	Glypro Plus	Glypro Plus/2,4-D Tank Mix	Plateau
Rate Per Acre:	2 pints	24 ounces	1.5 quarts	1.5 quarts 2 quarts	Apply at labeled rates.
Cost Per Acre:	\$17.00	\$31.68	\$4.50	\$10.00	N/A
Time of Application:	Before grass reaches 12 inches tall.	Before grass reaches 12 inches tall.	When vegetation is actively growing.	When vegetation is actively growing.	After establishment.
Type of Treatment:	Foliar.	Foliar.	Foliar.	Foliar.	
Rate of Carrier:	25 gals. Water	25 gals. Water	25 gals. Water	25 gals. Water	25 gals.
Maximum Height of Vegetation:	12 inches	12 inches	None.	None.	None.
Special Features:	Selective systemic	Selective systemic	Non-selective, systemic activity.	Non-selective, systemic activity.	Selective for labeled wildflower species.
Precautions:	Avoid application to desirable grasses. Use PPE as required on the label.	Ornamental beds only. Not labeled for wildflowers.	Avoid desirable vegetation.	Avoid desirable vegetation.	Avoid desirable vegetation.

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:					
Summer Weed Mixes					Page 5 of 10
Herbicide:	2,4-D/MSMA/Escort Tank Mix	2,4-D/MSMA/Telar Tank Mix	Garlon(Tahoe 3A)/ Escort Tank Mix	2,4-D Formula 40	2,4-D IVM Dry
Rate Per Acre:	2 quarts 1/3 gallon 0.25 ounces	2 quarts 1/3 gallon 0.25 ounces	1/3 gallon 0.25 ounces	2 quarts	36 ounces
Cost Per Acre:	\$13.00	\$15.00	\$20.00	\$6.50	\$8.00
Time of Application:	April-June	April-June	April-June	April-June	April-June
Type of Treatment:	Foliar Broadcast	Foliar Broadcast	Foliar Broadcast	Foliar Broadcast	Foliar Broadcast
Rate of Carrier:	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water
Maximum Height of Vegetation:	30 inches	30 inches	30 inches	30 inches	30 inches
Special Features:	Selective systemic for turf grass.	Selective systemic for turf grass.	Selective systemic for turf grass.	Selective systemic for turf grass.	Selective systemic for turf grass.
Precautions:	Avoid Drift. Always wear eye protection!	Avoid Drift. Always wear eye protection!	Avoid Drift. Always wear eye protection!	Avoid Drift. Always wear eye protection! Maximum of (2) two Applications per year!	Avoid Drift. Always wear eye protection! Maximum of (2) two Applications per year!

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:			Page 6 of 10		
Kudzu			Multiflora Rose	Bush Honeysuckle	
Herbicide:	Transline	Escort	Escort / 2,4-D	Escort / Tahoe 3A Tank Mix	BK 800 / Tahoe 4 Tank Mix
Rate Per Acre:	16 ounces	4 ounces	0.5 ounces 2 quarts	2 ounces 1 quart	1% solution 1.5 % solution
Cost Per Acre:	\$35.00	\$44.00	\$12.00	\$35.00	N/A
Time of Application:	June-October	June-October	May-frost	May-frost	Winter
Type of Treatment:	Foliar	Foliar	Foliar	Foliar	Dormant Stem
Rate of Carrier:	100 gals. Water	100 gals. Water	100 gals. Water	100 gals. Water	100 gals. Water
Maximum Height of Vegetation:	No Limit.	No Limit.	No Limit.	No Limit.	No Limit.
Special Features:	Systemic	Systemic	Systemic	Systemic	Systemic
Precautions:	Avoid drift. Spray when actively growing.	Avoid drift. Spray when actively growing.	Avoid drift. Spray when actively growing.	Avoid drift. Spray when actively growing.	Spray when temp. is above freezing.

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:			Canada Thistle		Page 7 of 10 Japanese Bamboo
	Nodding Thistle	Milestone	Transline/ Telar Tank Mix	Overdrive	Razor/Arsenal Tank Mix
Herbicide:	2,4-D Formula 40 / Telar Tank Mix				
Rate Per Acre:	2 quarts 0.25 ounces	5 ounces	1 pint 1 ounce	8 ounces	1.25 Gallons 12 ounces
Cost Per Acre:	\$11.00	\$10.00	\$53.00	\$17.00	\$37.00
Time of Application:	When vegetation is in full leaf.	When vegetation is in full leaf.	June 1 - November 1	When vegetation is in full leaf.	When vegetation is in full leaf.
Type of Treatment:	Foliar	Foliar			
Rate of Carrier:	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water	50 gals. Water
Maximum Height of Vegetation:	No Limit	No Limit	No Limit	No Limit	No Limit
Special Features:	Selective systemic for turf grass.	Selective systemic for turf grass plus soil residual.	Selective systemic and root uptake.	Selective systemic foliage.	Selective systemic.
Precautions:	Avoid over-application. Damage to turf may occur. Eye protection always required.	Avoid over-application. Damage to turf may occur. Use 7.0 ounce rate for Canada Thistle and Teasel.	Avoid over-application. Damage to turf may occur.	Avoid drift and application to desirable plants.	Avoid over-application. Damage to turf may occur. Use aquatic formulations in standing water!

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment: Page 8 of 10					
Johnsongrass					
Herbicide:	Outrider	Fusion	MSMA	Envoy	Fusion/Transline Tank Mix
Rate Per Acre:	1.0 ounce	8.0 ounces	1/3 gallon	13.0 ounces	8.0 ounces 4.0 ounces
Cost Per Acre:	\$10.00	\$7.00	\$4.00	\$9.00	\$16.00
Time of Application:	When weed is actively growing.	When weed is actively growing.	When weed is actively growing.	When weed is actively growing.	When weed is actively growing.
Type of Treatment:	Foliar	Foliar	Foliar		
Rate of Carrier:	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water	25-50 gals. Water
Maximum Height of Vegetation:	No Limit	No Limit	No Limit	No Limit	No Limit
Special Features:	Selective systemic activity for Johnsongrass and broadleaves.	Selective systemic activity for Johnsongrass and foxtails.	Contact herbicide for annual grasses and broadleaves.	Selective systemic activity for Johnsongrass.	Selective systemic for Johnsongrass and broadleaf weeds.
Precautions:	Fescue injury greater during drought. Do not Mow 14 days after treatment	Tank mixes with 2,4-D may decrease broadleaf control.	Suppression only. No hand application allowed.	No hand application allowed.	Tank mixes with 2,4-D may decrease broadleaf control.

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:				Page 9 of 10	
Brush Control				Stump Treatments	
Herbicide:	Krenite-S/Escort Tank Mix	Krenite-S/Arsenal Tank Mix	Garlon 3A/Escort Tank Mix	Razor/Arsenal Tank Mix	Stalker
Rate Per Acre:	2.0 gallons 1.0 ounce	2.0 gallons 12 ounces	2.0 quarts 0.5 ounces	Mix at the rate of 1 gal. Water with 1 gallon Razor and add 4 ounces Arsenal.	Mix at the rate of 12 ounces Stalker with 1 gallon Water
Cost Per Acre:	\$105.00	\$116.00	\$32.00		
Time of Application:	July 15-September 15	July 15-September 15	July 15-September 15	When temperature is above freezing.	When temperature is above freezing.
Type of Treatment:	Foliar	Foliar	Foliar	Cut Stump	Cut Stump
Rate of Carrier:	100 gals. Water	100 gals. Water	100 gals. Water	Ready to use.	Ready to use.
Maximum Height of Vegetation:	No Limit.	No Limit.	No Limit.	Large stumps may require a follow-up spraying with foliar herbicide.	Large stumps may require a follow-up spraying with foliar herbicide.
Special Features:	Selective systemic activity on brush.	Selective systemic activity on brush. Use on Redbud, Boxelder and other resistant brush.	Selective systemic activity on brush.	Selective systemic activity on brush.	Selective systemic activity on brush.
Precautions:	Avoid drift onto desirable vegetation.	Avoid drift onto desirable vegetation. Eye protection required.	Avoid drift on desirable vegetation.	Avoid applying to desirable plants.	Avoid applying to desirable plants.

**Kentucky Department of Highways
Pesticide Program Chart**

Classification of Treatment:					
			Adjuvants		Page 10 of 10
Type of Adjuvant	Defoamer	Anti-Drift	80/20 Surfactant	Crop Oil	Nu-Film
Rate of Product:	1 - 6 ounces per 100 gallons as needed.	1 - 5 quarts per 100 gallons as needed.	1 quart per 100 gallons of spray solution.	1 quart per 100 gallons of spray solution.	1/2 to 1 pint per acre
Mixing Sequence	Add to tank when over half full.	Add to tank after filling and adding the herbicide.	Add to tank after filling and adding the herbicide.	Add to tank after filling and adding the herbicide	Add to tank while filling, before herbicides.
Precautions:	Always use with mixes containing glyphosate and Krenite-S.	High rates may plug nozzles.	Refer to herbicide label for specific rates.	Refer to herbicide label for specific rates.	Use agitation. Do not leave mixes in tank overnight.

Roundup ProDry Equivalents

Razor Rate

1/2 quart
1 quart
2 quarts
2 gallons

equals
equals
equals
equals

Roundup ProDry Rate

1.7 pounds
1.15 pounds
2.3 pounds
9.2 pounds